Series	Time	Ccy	Price	Bank
1 2	13:00:00	CHF	1.4817	SEBM
1	13:00:02	JPY	130.64	PRUN
1	13:00:09	JPY	130.60	CHFX
1 2 3	13:00:10	DEM	1.8225	HYPO
1 2 3	13:00:12	DEM	1.8231	NWNC
1 2 3	13:00:16	DEM	1.8228	BOMX
1 2	13:00:19	CHF	1.4818	NWND
1 2 3 4	13:00:24	DEM	1.8226	BGFX
1 4	13:00:24	JPY	130.58	BGFX
1 2 3	13:00:24	DEM	1.8230	KOCT
1 2 4	13:00:24	CHF	1.4822	BGFX
1 2 3	13:00:30	DEM	1.8225	KBXE
1	13:00:31	JPY	130.58	DRE1

Figure 1:

```
Tick         = ( Time , Item )
Item         = "FT" ( Contract , DataSpecies )

Contract     = FX | Deposit
FX           = "FX" ( Per , Expr )
Deposit      = "Deposit" ( Currency, Period )

DataSpecies  = Quote | TX
Quote        = "Quote" ( Bid , Ask , Bank , Source )
TX           = "TX" ( Price , Volume , Seller , Buyer , Source )

Per          = string[3]:f
Expr         = string[3]:f
Currency     = string[3]:f
Period       = string[3]:f
Bid          = float:v
Ask          = float:v
Price        = float:v
Volume       = integer:v
Seller       = string:v
Buyer        = string:v
Bank         = string:v
Source       = string:f
```

Figure 2:

```
(Time,Item)
(08.02.1998 07:44:58,FT(Contract,DataSpecies))
(08.02.1998 07:44:58,FT(FX(Per,Expr),Quote(Bid,Ask,Institution,Source)))
(08.02.1998 07:44:58,FT(FX(USD,JPY),Quote(124.05,124.1,CHFX,REUTERS)))

(Time,Item)
(08.02.1998 07:49:34,FT(Contract,DataSpecies))
(08.02.1998 07:49:34,FT(FX(Per,Expr),TX(Price,Volume,Seller,Buyer,Source)))
(08.02.1998 07:49:34,FT(FX(USD,JPY),TX(124.1,1000000,CHFX,BGFX,REUTERS)))

(Time,Item)
(08.02.1998 04:51:47,FT(Contract,DataSpecies))
(08.02.1998 04:51:47,FT(Deposit(Ccy,Period),Quote(Bid,Ask,Institution,Source)))
(08.02.1998 04:51:47,FT(Deposit(USD,03M),Quote(5.5,5.62,BSBB,REUTERS)))
```

Figure 3:

```
1.  (*-*,FT(FX(USD,*),Quote(*,*,*,*)))
2.  (*-*,FT(FX(USD,DEM|CHF),Quote(*,*,*,*)))
3.  (*-*,FT(FX(USD,DEM),Quote(*,*,*,*)))
4.  (*-*,FT(FX(USD,*),Quote(*,*,BGFX,*)))
```

Figure 4:

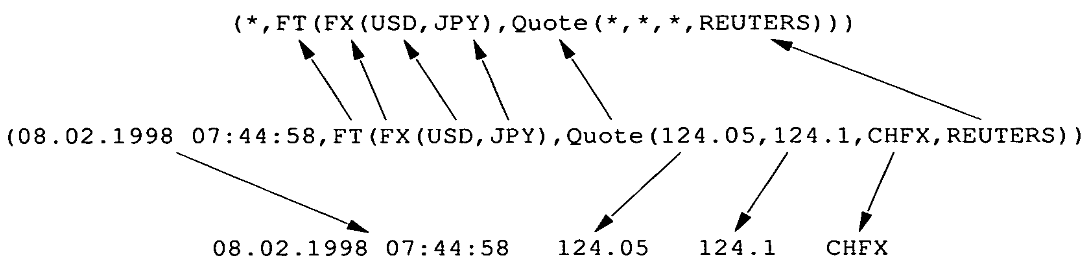

Figure 5:

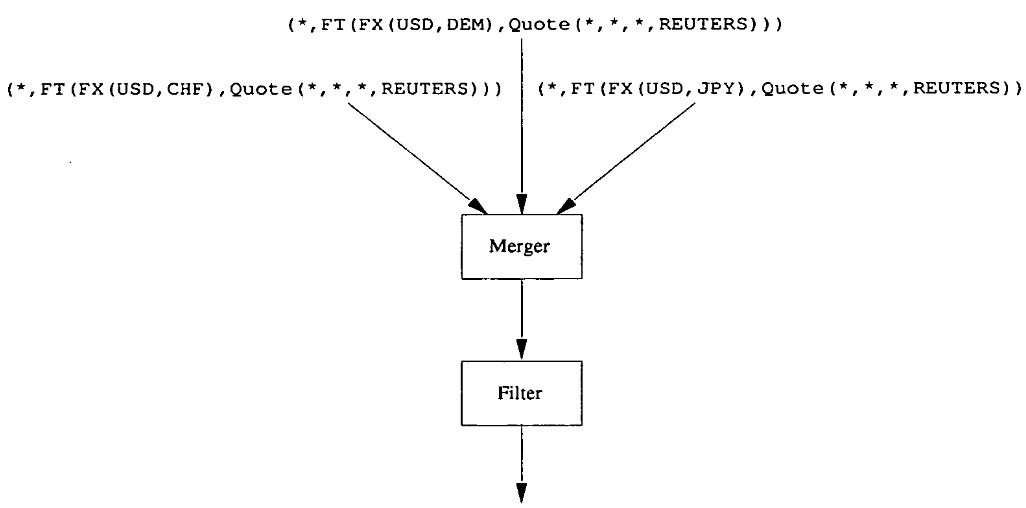

Figure 6:

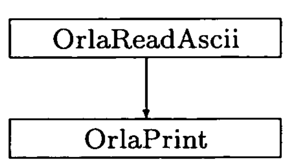

Figure 7:

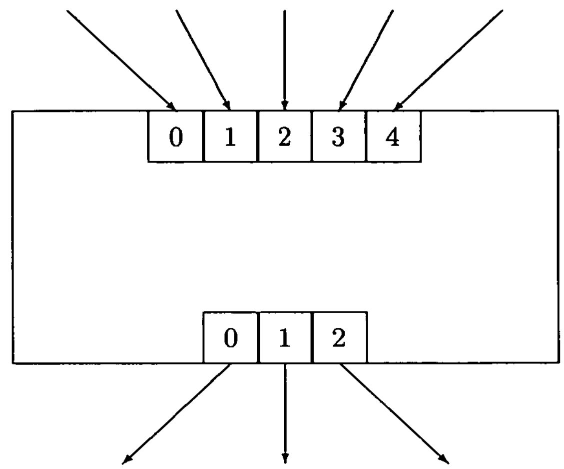

Figure 8:

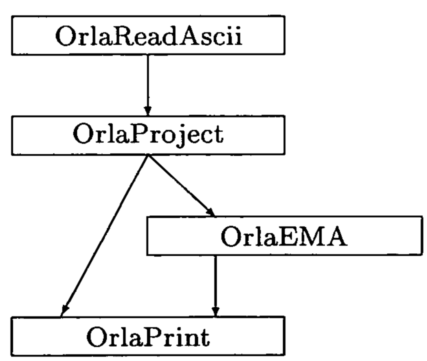

Figure 9: